

Date July 1, 1957MATERIAL BALANCE ON RADIOACTIVE ISOTOPES OBTAINED BY H. Stern

Shipment No.	Material	Date Received	Quantity Received	Quantity on Hand		Comments (Form of material, storage, disposal, decay, etc.)
				Date	Date	
0	Co ⁶⁰	June 1953	3.85 mc.	2.27 mc. 6/3/57	2.25 mc. 7/1/57	Material present as 5 metallic pellets. Difference in quantity due to decay and preparation of Co ⁶⁰ standard to calibrate radiation analyzer. Stored in lead container in (Lead Storage Bldg.
1	Hg ⁶³	1/14/55	2 mc.	1.961 mc. 6/3/57	1.999 mc. 7/1/57	Material present as Watt's type plating bath. Difference in quantity due to decay. Stored in lead container Rm. 204.
4	Po ²¹⁰	12/27/55	0.79 mc.	4.13 mc. 6/3/57	3.59 mc. 7/1/57	Difference in quantity due to decay. Present as 10% HNO ₃ solution. Material stored in hood, Room 202.
5	Hg ⁶³	12/28/55	3 mc.	2.95 mc. 6/3/57	2.947 mc. 7/1/57	Difference in quantity due to decay. Material present in dilute HCl solution. Stored in lead container Room 204.
7	H ³	3/29/56	150 mc.	140.4 mc. 6/3/57	139.8 mc. 7/1/57	Material present as gas in unopened container in hood Room 202. Difference in quantity due to decay.
8	H ³	4/4/56	150 mc.	47.5 mc. 6/3/57	47.3 mc. 7/1/57	Material present as tritiated H ₂ O. Difference in quantity due to decay. Stored in hood, Room 202.
9	C ¹⁴	5/8/56	5 mc.	5 mc. 6/3/57	5 mc. 7/1/57	Material present as BaCo ₃ . Unopened container stored in hood, Room 202.
11	H ³	10/11/56	150 mc.	144.7 mc. 6/3/57	144.1 mc. 7/1/57	Material present as tritiated H ₂ O. Stored in unopened container in Room 202.
12	Po ²¹⁰	4/21/57	2.54 mc.	1.92 mc. 6/3/57	1.64 mc. 7/1/57	Difference in quantity due to decay and zinc activation job 4902. Present as 10% HNO ₃ solution stored in hood (Room 202)
13	Cr ⁵¹	5/3/57	2 mc.	0.923 mc. 6/3/57	.471 mc. 7/1/57	Difference in quantity due to decay. Present as 10% HCl solution. Stored in hood, Room 202.
14	Fe ⁵⁹	5/3/57	1 mc.	0.621 mc. 6/3/57	.404 mc. 7/1/57	Difference in quantity due to decay. Material present as 10% HCl solution. Stored in hood, Room 202.

Signed: E. A. Tame

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